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at least one of the personal computers including a wireless network connection

capable of coupling the personal computers to one or more of the other personal computers

via the network; and

at least one of the personal computers including a microchip having a microprocessor

with at least a control unit and one or more processing units, the control unit including means

for a user of the personal computer to control the one or more processing units;

wherein the microchip further provides active configuration of one or more circuits of

the microchip;

the server computer having a second mechanism to subdivide said shared processing

operation into a plurality of parts and to send one of said parts to each of said slaves for

processing by said slaves; and

a compensation determining mechanism to determine compensation for network

services provided by said personal computers in said shared processing operation, wherein

said compensation determining mechanism determines a net charge based on a

difference between a monitored provision to said network of a shared processing operation by

one of said personal computers and a monitored use of said network services by said one

personal computer,

said server computer is configured to receive a measure of a provision of network

services both to and by said one of said personal computers from a monitoring mechanism, and

said master server computer is configured to receive processing results sent back to said

master server computer when the operation is completed by said slaves.

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10. (Amended) The system of claim 9, wherein said compensation includes a financial

charge.

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11. (Amended) The system of claim 9, wherein said server computer provides network services, including connection functions, which include providing access by at least one of said personal computers to said network.

12. (Amended) The system of claim 9, wherein said compensation includes a charge for access to said network by one of said personal computers.

13. (Amended) The system of claim 9, wherein said charge for said one personal computer is for a time period based on a time difference between the monitored provision to said network of said shared processing operation by said one personal computer for said time period and use of said network services by said one personal computer during said time period.

14. (Amended) The system of claim 9, wherein said charge for said one personal computer is based on a difference between the monitored provision to said network of said shared processing operation by said one personal computer as measured by data throughput and use of said network services by said one personal computer also as measured by the data throughput.

15. (Amended) The system of claim 9, wherein said compensation includes providing access by at least one of said personal computers to said network.

16. (Amended) The system of claim 9, wherein said charge is zero.

17. (Amended) The system of claim 11, wherein said network includes an Internet which is utilized to provide said shared computer processing resources.

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18. (Amended) The system of claim 17, wherein said network includes a World Wide Web which is utilized to provide said shared computer processing resources.

19. (Amended) The system of claim 17, wherein said server computer is operated by an internet service provider.

20. (Amended) The system of claim 19, wherein said network includes a World Wide Web which is utilized to provide said shared computer processing resources.

21. (Amended) The system of claim 19, wherein at least one of said personal computers includes an optical fiber connection directly from said at least one personal computer to said server computer.

22. (Amended) The system of claim 19, wherein at least one of said personal computers includes a wireless connection from said at least one computer to said server computer.

25. (Amended) The system of claim 19, wherein said server computer is configured to operate with said at least one personal computer being substantially contained in a single microchip.

26. (Amended) The system of claim 19, wherein said server computer is configured to operate with said at least one personal computer being substantially contained in a single microchip with a plurality of microprocessors.

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27. (Amended) The system of claim 19, wherein said shared processing operation includes at least one of parallel processing, multi-processing, and multi-tasking.

28. (Amended) The system of claim 19, wherein said server computer is configured to operate with at least one of said personal computers including a connection from said at least one personal computer to said network, said connection having a speed of data transmission that is greater than a peak data processing speed of said at least one personal computer.

29. (Amended) The system of claim 19, wherein said server computer is configured to operate with at least one of said personal computers including a transponder so that said at least one personal computer can determine a closest other of said personal computers that is idle.

30. (Amended) The system of claim 19, wherein said server computer is configured to operate such that a user of a personal computer retains preemptive control of all components of said personal computer.

31. (Amended) The system of claim 19, wherein said server computer is configured to operate with at least one personal computer when said personal computer is idled by a user of said personal computer.

32. (Amended) The system of claim 19, wherein said server computer is configured to operate with at least a part of at least one of said personal computers functioning as a master in a shared operation with another of said personal computers in said network.

33. (Amended) The system of claim 19, wherein said server computer is configured to operate with at least a part of at least one of said personal computers functioning as a slave in a shared operation with another of said personal computers in said network.

34. (Amended) The system of claim 19, wherein said server computer is configured to operate with a peer-to-peer architecture.

35. (Amended) The system of claim 19, wherein said server computer is configured to operate with said at least one microprocessor of said at least one personal computer being controlled by a user of said at least one personal computer through said user's operation of a wireless controller.

36. (Amended) The system of claim 19, wherein said server computer is configured to operate with said provision and said use by said one personal computer occurring substantially simultaneously in a multitasking mode.

37. (Amended) The system of claim 19, wherein:

a firewall is configured to operate in at least one of said personal computers, said at least one personal computer being configured to operate with other computers connected in a network;

said at least one personal computer includes at least one microprocessor and at least two memory hardware components;

said firewall is further configured to deny access to at least a first memory hardware component of said at least one personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network; and

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said firewall is further configured to allow access to at least a second memory hardware component of said at least one personal computer by said at least one of said other computers of said network during said shared operation.

38. (Amended) The system of claim 37, wherein said firewall is configured to deny access to at least a first memory hardware component of said at least one personal computer by said other computers of said network during a shared operation involving said personal computer and at least one of said other computers of said network.

39. (Amended) The system of claim 37, wherein said firewall is configured to allow access to at least a second memory hardware component of said at least one personal computer by said other computers of said network during said shared operation.

40. (Amended) The system of claim 39, wherein said firewall is configured to deny access to at least said second memory hardware component of said at least one personal computer by a user of said personal computer during said shared operation.

41. (Amended) The system of claim 38, wherein said second memory hardware component is a second hard drive of said at least one personal computer.

See the attached Appendix for the changes made to effect the above claim(s).